Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No.KMTH/PMC/YD/2020-21 Date: 02-02-2022

To,
Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Project Division, Yelahanka Zone Nh-07
Road Bangalore-92

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Sub: Regarding inspection report for the below mentioned work.

Name of work: Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes under Attur Ward No.03 4. Fixing Stone benches to park comes under Attur Ward No.03

1	KSRB 2-2: Earth work Excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc., either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches stacking the excavated soil clear from edges of excavation with lead upto 50m. including breaking of clods complete as per specifications.	Cum	822.01
2	KSRRB M2100-10. Providing and laying plain cement concrete of mix 1:3:6 with opc @ 220kgs, with crushed 40mm and down side Graded grainte metal coarse aggregates @0.89Cum and fine aggregates @ 0.46Cum in foundation Mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all m,aterials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	290.51
3	Providing and constructing granite/ trap/ basalt size stone masonry in foundation with cement mortor 1:6, stone hammered dressed in course not less than 20cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications KBSS.1.13.	Cum	305.27
4	KSRB 4-1.6; Providing and laying in positionplain cement concrete of mix 1:2:4 with opc @240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @0.53cum, machine mixed , concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of materials, labour, HOM curing complete as per specifications	Cum	20.74

Executive Engineer
Project Division
Yelahanka Zone

Off & Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU-560094
Ph.:080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail :kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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5	Fabricating, providing and erecting in position of MS hot dip galvonised Sq. Hallow Poles of 132x132 heavy guage of length 3000mm with MS. Hot dip galvonised grill work as per approved design and drawing of chief architect using 12x 75mm galvanised flat for alround frame and 20x20mm galvanised forged design with square for vertical at 150mm C/C as shown in the drawin	Sqm	584.46
6	Fabricating, providing and erecting in position of MS hot dip galvonised Gate. Using 72x72x4.8mm Sq Gl pipe frame with top pipe bending with MS. Hot dip galvonised grill work as per approved design and drawing of chief architect using 75x12mm and 50x6mm Arch galvanised flat for alround frame and 20x20mm galvanised forged design with square for vertical at 150mm C/C as shown in the drawing	Sqm	25.44
7	providing and fixing Pre cast solid concrete kerb stones of size 450x200x400 mm made of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per direction of engineer incharge	No's	2718.0
8	Painting two coats after filling the surface with synthentic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour completed as per specifications.	Sqm	345.63
9	Providing and laying / fixing cement base precast pre polished cement concrete designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring treads of steps and landing, laid on a bed of 12mm thick cement mortor 1:3 mis finished eith flush pointing using white cement includingcost of materials mortor including cutting grinding the edge to half/full round wherever required labou curing complete as per specifications.	Sqm	912.95
10	KSRRB M300-53 Construction of embankment with approved materials Gravel/Murrum with all lifts and leads, transportating to site, spreading grading to required slopes and compacting to meet required table 300-2 complete as per specification including cost of gravel/ murrum watering charges and compaction by vibratory roller to 95% of modified proctors density MORTH specification No.305	Cum	79.19
11	KSRRB2.6 Providing and filling sand in trenches to required depth including watering rammering with all the leads and lift complete as per specifications and direction by the engineer incharge at the site	Cum	234.57
12	KSRB 14.6: Providing and laying heavy duty cobble stones inter lock pavers using cement and course sand for manufacture of blocks of approved size shape and colour with minimum compressive strength of 281kg per Sqm over 50mm thick sand bed and compacting with plate vibrator having 3tons compaction force there by forcing part of sand underneath to come up in between joints final compaction of pavers surface joints into its final	Sqm	1143.74
13	Executive Bench-Made out of Sadarahalli grey stone with hanmd supportys with 3 line finishing with arch design with 100mm slabs.Height 90x Length 1500 width 45cms.	No's	317.00

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15	Supply and fixing of children Play Equipment Curved structural posts of height 3.5m, and 2.7amre to be scheduloe HOT DIP Galvanized steel with a 114mm Odand 2.2mm (wall) thicknessof the tubing.The polesare welded on to a base plate made from steel with 114mm inner diameter.	No's	1.00
16	Supply and fixing of childern Play Equipment Fiero A swing: Shaped structural posts of heightr 2.31m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm	No's	1.00
17	Supply and fixing of children Play Equipment Two seater seesaw: The See Saw consists of 2 poles of Dia 114mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm x 213mm x 125mm. The rates are to be inclusive of supply and installation at site.	No's	1.00
18	Earth work Excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc., either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m in depth including dressing the bottom and sides	Cum	44.65
19	Providing and Laying in position Plain Cement Concrete of Mix 1:3:6 with OPC cement @220kgs with 40mm and down size graded granite metal course aggregates @0.892 Cum and fine aggregates @0.465 Cum machine mixed concrete laid in layers not excluding 15 cms thick	Cum	6.56
20	Providing and laying in position plain cement concrete of mix M20 with OPC cement @300kgs with 20mm and down size graded granite metal coarse aggregates @0.69cumand fine aggregates @0.43cum with superplastiser @3lts confirming to IS9103-1999 Reaffirmed -2008 Machine Mixed concrete laid in layers not exceeding 15cms thick	Cum	4.15
21	Providing and laying flooring using prepolished water cut/gang saw 19mm thick granite laid over bed 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface	Sqm	33.29
22	Providing and fixing of wall cladding using 20mm thick gang saw water cut granite in CM 1:3 propotion cut to required shape patron with paper joint finised with cement mortor using white cement and colour pigments to match the colour of the slab	Sqm	12.66
23	Providing full noising for 20mm thick granite slab using required machinary including cost	M	14.00
24	Providing and removing centring shuttering strutting propping etc., and removing of form work for foundation footing	Sqm	4.86
25	Providing and removing centering shuttering Strutiing Propping etc., for columns pillars post and struts square rectangular polygon in plain including cost of all materials labour complete as per specifications.	Sqm	23.46
26	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @320kgs with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.465cum with	Cum	7.23

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	super plastisizer @3 liters confirming to is 9103-1999 reafirmed 2008 machine mixed concrete laid in layers not exceeding 15cms thick		
27	providing T.M.T steel reinforcement for RCC work including straightening cutting bending hooking placing in position lapping and welding wherever required tying with binding wire and anchoring to the adjoining members	Tonnes	1.50
28	providing rough cement plastering 15mm thick in single coat with cement mortor 1:4 to bricks masonry for base of dadooing work with sand of approved quality	Sqm	12.87
30	Providing and fixing gun metal wheel valve conforming to IS specification of approved make as per directions including all leads and lift etc., complete for 50mm dia	Each	2.00
32	supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated extruede inner sheathed galvanized steel strip confirming to IS-3975:1990 & Extruded PVC outer sheathed armoured cable with specified IS-1554 part-1:1988 & confirming to GTP of GROUP-A.4 core 10 Sqmm	M	40.00
33	Supply of LED floodlight liminare with pressure die cast aluminium housing body for optimal thermal dissipation . Lamp compartment comprising of anti glare clear diffuser with Injection moulded polcarbonate / clear glass material , delivering superior light output . Rated life Buring Hrs 50000Hr @ Lumen Maintenance of 70%, CCT>5500K , IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08	No's	2.00
34	Making of clay modeling as per the approved schematic sketch for the above , Making of POP negative mould as per the approved clay model , Making of FRP (Fiber Reinforced Plastic) casting master pattern for the above model , Making of Bronze Metal casting by ABC mould by silica sand process with all necessary melting process materials ,Making of hand carving/ chiseling grinding , brazing ,antic bronze oxidizing by acid process including cost of bronze ornamental finishing	Set	1.00
35	Transportation of above statue to the erection spot and fixing with necessary fixtures including hire charges of machineries required for transportation & erection with necessary labour , applicable taxes etc , complete as per the direction of engineer in charge .	No's	1.00
36	Loading and Unloading of Stone Boulder / Stone aggregates / Sand / Kanker / Moorum . KSRRB M100-1: Placing tipper at loading point , loading with front end loader , dumping , turning for return trip , excluding time for haulage and return trip complete as per specifications .	Cum	44.65
37	Providing and fixing stainles steel 304 grade for staircase railings balconies ramps with hand rail 50mm dia 16 guage hollow pipe welded to vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia stainless steel hallow horizontal pipe are welded to vertical 50mm dia hollow pipe the entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc.,	Sqm	41.49

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No.KMTH/PMC/YD/2020-21

Date: 02-02-2022

To,
Executive Engineer
Bruhat Bengaluru Mahanagara Palike
Project Division, Yelahanka Zone Nh-07
Road Bangalore-92

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Sub: Regarding Quality report for the below mentioned work.

Name of work:" Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka sub division 3.Development of Parks comes under Attur Ward No.03 4. Fixing Stone benches to park comes under Attur Ward No.03

Item No	Description of Work	Unit	Quantity	No of Samples Tested	Standards
2	KSRRB M2100-10. Providing and laying plain cement concrete of mix 1:3:6 with opc @ 220kgs, with crushed 40mm and down side Graded grainte metal coarse aggregates @0.89Cum and fine aggregates @ 0.46Cum in foundation Mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all m,aterials, labour, HOM curing, form works, scaffolding and centering complete as per specifications.	Cum	290.51	2 Sets	Per 100 Cum
4	KSRB 4-1.6; Providing and laying in positionplain cement concrete of mix 1:2:4 with opc @240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @0.53cum, machine mixed , concrete laid in layers not exceeding 15cms thick well compacted in foundation plinth and cills including cost of materials, labour, HOM curing complete as per specifications	Cum	20.74	2 Sets	Per 50 Cum

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7	providing and fixing Pre cast solid concrete kerb stones of size 450x200x400 mm made of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete as per direction of engineer incharge	No's	2718.0	3 Sets	Per 500 No's
12	KSRB 14.6: Providing and laying heavy duty cobble stones inter lock pavers using cement and course sand for manufacture of blocks of approved size shape and colour with minimum compressive strength of 281kg per Sqm over 50mm thick sand bed and compacting with plate vibrator having 3tons compaction force there by forcing part of sand underneath to come up in between joints final compaction of pavers surface joints into its final	Sqm	1143.74	2 sets	Per 500 Sqm
19	Providing and Laying in position Plain Cement Concrete of Mix 1:3:6 with OPC cement @220kgs with 40mm and down size graded granite metal course aggregates @0.892 Cum and fine aggregates @0.465 Cum machine mixed concrete laid in layers not excluding 15 cms thick	Cum	6.56	4 Sets	Per 100 Cum
20	Providing and laying in position plain cement concrete of mix M20 with OPC cement @300kgs with 20mm and down size graded granite metal coarse aggregates @0.69cumand fine aggregates @0.43cum with superplastiser @3lts confirming to IS9103-1999 Reaffirmed -2008 Machine Mixed concrete laid in layers not exceeding 15cms thick	Cum	4.15	4 Sets	Per 50 Cum
27	providing T.M.T steel reinforcement for RCC work including straightening cutting bending hooking placing in position lapping and welding wherever required tying with binding wire and anchoring to the adjoining members	Tonnes	1.50	3 of Each Dia	Each Dia

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

21	Providing and laying flooring using prepolished water cut/gang saw 19mm thick granite laid over bed 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to match shade of granite slabs including laying POP on finished surface	Sqm	33.29	2 Sets	Per 50 Sqm

With respect to the above Subject Name of work, we have inspected the work , Quantity and Quality of above mentioned Item of work was found to be satisfactorily completed for the 1st And Part bill.

Thanking You,

With Regards,

Karnataka Material Test House Pvt Ltd.,

Narayanswamy.B
Managing Director

Karnataka Material Test House Pvt Ltd. Bangalore

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